CLAIMS

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1	1.	A sealing element for use in a reciprocating gas compressor valve comprising
2	elastomeric m	naterial.
1	2.	The sealing element of Claim 1 wherein the reciprocating gas compressor
2	valve is a sing	gle element non-concentric valve.
1	3.	The sealing element of Claim 1 wherein the reciprocating gas compressor
2	valve is conce	entric ring valve.
1	4.	The sealing element of Claim 1 wherein the reciprocating gas compressor
2	valve is porte	d plate valve.
1	5.	A sealing element for use in a reciprocating gas compressor valve comprising
2	a layer of elas	tomeric material bonded to a substrate.
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1	6.	The sealing element of Claim 5 wherein the reciprocating gas compressor
2		gle element non-concentric valve.
1	7.	The sealing element of Claim 5 wherein the reciprocating gas compressor
2		entric ring valve.
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- 1 8. The sealing element of Claim 5 wherein the reciprocating gas compressor 2 valve is ported plate valve.
- 1 9. The sealing element of Claim 1 wherein the elastomeric material is selected
- 2 from the group consisting of natural rubber, synthetic rubber, fluoro-elastomer, thermoset
- 3 elastomer, thermoplastic elastomer, elastomeric copolymers, elastomeric terpolymers,
- 4 elastomeric polymer blends and elastomeric alloys.

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- 1 10. The sealing element of Claim 5 wherein the elastomeric material is selected
- 2 from the group consisting of natural rubber, synthetic rubber, fluoro-elastomer, thermoset
- 3 elastomer, thermoplastic elastomer, elastomeric copolymers, elastomeric terpolymers,
- 4 elastomeric polymer blends and elastomeric alloys.
- 1 11. The sealing element of Claim 1 wherein said elastomeric material operates
- 2 between about -120 °F to 450 °F.
- 1 12. The sealing element of Claim 5 wherein said elastomeric material operates
- 2 between about -120 °F to 450 °F
- 1 13. The sealing element of Claim 1 wherein said elastomeric material operates
- 2 between about 0 to 10,000 psid.

single element non-concentric valve.

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1 14. The sealing element of Claim 5 wherein said elastomeric material operates 2 between about 0 to 10,000 psid. 1 15. A reciprocating gas compressor valve comprising an elastomeric sealing 2 element. 1 A reciprocating gas compressor valve comprising a sealing element having at 16. least one layer of elastomeric material. 2 The reciprocating gas compressor valve of Claim 15 wherein said valve is a 1 17. 2 single element non-concentric valve. The reciprocating gas compressor valve of Claim 15 wherein said valve is a 1 18. 2 concentric ring valve. The reciprocating gas compressor valve of Claim 15 wherein said valve is a 1 19. 2 ported plate valve. 1 20. The reciprocating gas compressor valve of Claim 16 wherein said valve is a

1 The reciprocating gas compressor valve of Claim 16 wherein said valve is a 21. 2 concentric ring valve. 1 22. The reciprocating gas compressor valve of Claim 16 wherein said valve is a 2 ported plate valve. 1 A reciprocating gas compressor comprising a reciprocating gas compressor 23. 2 valve having an elastomeric sealing element. A reciprocating gas compressor comprising a reciprocating gas compressor 1 24. valve having a sealing element, said sealing element having at least one layer made of 2 3 elastomeric material. 1 25. A method of making a reciprocating gas compressor valve comprising the 2 following steps: 3 applying elastomeric material to a substrate to produce an elastomeric 4 sealing element; and 5 assembling said sealing element into a reciprocating gas compressor 6 valve for use in a reciprocating gas compressor.

l	26. A method of making a reciprocating gas compressor valve comprising the
2	following steps:
3	making a sealing element of elastomeric material; and
4	assembling said sealing element into a reciprocating gas compressor
5	valve for use in a reciprocating gas compressor.
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1	27. A sealing element for use in an unloader comprising elastomeric material.
1	28. The sealing element of Claim 27 wherein the unloader is a plug unloader.
1	29. The sealing element of Claim 27 wherein the elastomeric material is selected
2	from the group consisting of natural rubber, synthetic rubber, fluoro-elastomer, thermoset
3	elastomer, thermoplastic elastomer, elastomeric copolymers, elastomeric terpolymers,
4	elastomeric polymer blends and elastomeric alloys.
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1	30. An unloader comprising an elastomeric sealing element.
1	31. The unloader of Claim 30 wherein said unloader is a plug unloader.
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1	32. A reciprocating gas compressor comprising an unloader having a sealing
2	element, said sealing element having at least one layer made of elastomeric material.

1	33. A method of making an unloader comprising the following steps:
2	applying elastomeric material to a substrate to produce an elastomeric
3	sealing element; and
4	assembling said sealing element into an unloader for use in a
5	reciprocating gas compressor.
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1	34. A method of making an unloader comprising the following steps:
2	making a sealing element of elastomeric material; and
3	assembling said sealing element into an unloader for use in a
4	reciprocating gas compressor.
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